

100725-38/ Kreisler 1109-KGB
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : JOST SEIBLER ET AL.
SERIAL NO. : 10/658,837
FILED : October 22, 2002
FOR : SiRNA MEDIATED GENE SILENCING IN TRANSGENIC ANIMALS
ART UNIT : To be Assigned
EXAMINER : To be Assigned

Hon. Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

Pursuant to 37 CFR §§ 1.56, 1.97 and 1.98, Applicants respectfully request that the Examiner consider the references listed on the attached Form PTO-1449.

I. Timeliness, Fees and Certifications in lieu of Fees

This information disclosure statement is being filed within three months of the filing date of the application, or within three months of entry into the national stage, or before the mailing of a first Office Action on the merits. Pursuant to 37 CFR § 1.97(b), consideration of this information disclosure statement does not require a fee or a statement under 37 CFR § 1.97(e). However, should the Assistant Commissioner determine that a fee is, in fact, due, the Assistant Commissioner is hereby authorized to charge the fee to Deposit Account No. 14-1263.

Application No. 10/685,837
Applicants: Jost Seibler
Information Disclosure Statement

II. Copies of Listed References

Copies of all references listed on the attached Form PTO-1449 are being supplied.

III. Concise Statement of Relevance

All references listed on the attached Form PTO-1449 are in the English language, and, therefore, a concise statement of relevance is not required.

Some of the references listed on the attached Form PTO-1449 are referred to in the specification, which indicates the degree of relevance


Some of the references listed on the attached Form PTO-1449 were cited in the partial search report issued by the European Patent Office and/or the International search report, and an English-language version of the search reports, which indicates the degree of relevance found by that Patent Office, are attached.

Application No. 10/685,837
Applicants: Jost Seibler
Information Disclosure Statement

Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted,

NORRIS McLAUGHLIN & MARCUS, P.A.

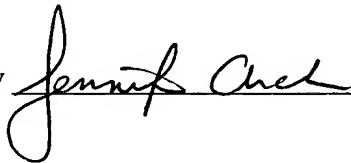
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David D. Kim
Reg. No. 53,123

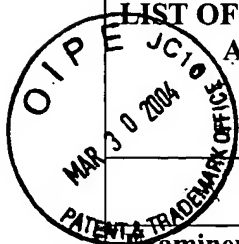
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Services as first class mail in an envelope addressed to: Hon. Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 25, 2004.

NORRIS McLAUGHLIN & MARCUS, P.A.

By 



LIST OF PATENTS AND PUBLICATIONS APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Form PTO-1449)	Attorney Docket: 100725-38/ Kreislser 1109-KGB	Serial No.: 10//685,837
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	Filing Date: October 22, 2002	Group: To Be Assigned

U.S. PATENT DOCUMENTS

Examiner's Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If appropriate
	AA	5 972 650	26 Oct 1999	Feng Yao	435	69.1	
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation Yes No
	AD	02 072762 A ✓	19 Sep 2002	World			
	AE	02 44321 A ✓	6 Jun 2002	World			
	AF						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AG	EPO Search Report, dated 18 December 2002, for EP 02 02 3283. ✓
	AH	Devroe E. and Pamela A. Silver. Retrovirus-delivered siRNA. BMC Biotechnology (2002), 2: 15. ✓
	AI	Brummelkamp, Thijn R, et al. "A system for stable expression of short interfering RNAs in mammalian cells." Science, Vol. 296, No. 5567 (2002) pages 550-553. ✓
	AJ	Paddison, Patrick J et al. "Short hairpin RNAs (shRNAs) induce sequence-specific silencing in mammalian cells." Genes and Development, Vol. 16, No. 8 (2002), pages 948-958 ✓
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	AM	Jacque, Jean-Marc et al. "Modulation of HIV-1 replication by RNA interference." Nature, Vol. 418, No. 6896 (2002), pages 435-438. ✓
	AN	Ohkawa, J. et al. "Control of the functional activity of an antisense RNA by a tetracycline-responsive derivative of the human U6 snRNA promoter." Human Gene Therapy, Vol. 11, No. 4 (March 2000), pages 577-585. ✓

EXAMINER:
DATE CONSIDERED:

- **EXAMINER:** Initial if Reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered, include copy of this form with next communication to applicant.

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Examiner's Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If appropriate
	AO						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub Class	Translation Yes No
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Yu, Jenn-yah et al. "RNA interference by expression of short-interfering RNAs and hairpin RNAs in mammalian cells." Proceedings of the National Academy of Sciences of USA, National Academy of Sciences, Vol. 99, No. 9 (April 30, 1999), pages 6047-6052. ✓					
	AR	Elbashir, Sayda M. et al. "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells." Nature, Vol. 411, No. 6836 (May 24, 2001), pages 494-498. ✓					
	AS	Fire, A. et al., Potent and specific genetic interference by double stranded RNA in <i>Caenorhabditis elegans</i> , Nature, Vol. 391, Pages 806-811 (1998). ✓					
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	AU	Lewis, D.H. et al., Efficient Delivery of siRNA for inhibition of gene expression in postnatal mice, Nature Genetics, Vol. 32, Pages 107-108 (2002). ✓					
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	AW	Kovalenko et al., The tumor suppression CYLD negatively regulates NF-κB signaling by deubiquitination. Nature, Vol. 424, Pages 801-805 (2003). ✓					
	AX	Brummelkamp, Thijn et al., Loss of the cylindromatosis tumour suppressor inhibits apoptosis by activating NF-κB. Nature, Vol. 424, Pages 797-801 (2003). ✓					
	AY	Carmell, Michelle A. et al., Germline transmission of RNAi in mice, Nat. Struct. Biol., Vol. 10, No. 2, Pages 91-92 (2003). ✓					
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	BA						
FOREIGN PATENT DOCUMENTS							
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	BB						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BC	Hermann, Michael T. et al. An epi-allelic series of p53 hypomorphs created by stable RNAi produces distinct tumor phenotypes in vivo. <i>Nature Genetics</i> , Vol. 33, No. 3, Pages 396-400 (2003). ✓					
	BD	Hasuwa, H. et al. Small interfering RNA and gene silencing in transgenic mice and rats. <i>FEBS Letters</i> , Vol. 532, Nos. 1-2, Pages 227-230 (2002). ✓					
	BE	Kovalenko, Andrew et al., The tumour suppressor CYLD negatively regulates NF-κB signaling by deubiquitination, <i>Nature</i> , Vol. 424, Pages 801-805 (2003). ✓					
	BF	Kunath, Tilo et al., Transgenic RNA interference in ES cell-derived embryos recapitulates a genetic null phenotype. <i>Nature Biotechnology</i> , Vol. 21, Pages 559-561 (2003). ✓					
	BG	Rubinson, Douglas A. et al. A lentivirus-based system to functionally silence genes in primary mammalian cells, stem cells and transgenic mice by RNA interference. <i>Nature Genetics</i> . Vol. 33, No. 3, Pages 401-406 (2003). ✓					
	BH	Sui, Guangchao et al. A DNA vector-based RNAi technology to suppress gene expression in mammalian cells. <i>Proc. Nat'l Acad. Sci. USA</i> . Vol. 99, Pages 5515-5520 (2002). ✓					
	BI	Xia, H. et al., siRNA-mediated gene silencing in vitro and in vivo. <i>Nature Biotechnology</i> , Vol. 10, Pages 1006-10 (2002). ✓					
	BJ	Friedrich, Glenn and Philippe Soriano. Promoter traps in embryonic stem cells: a genetic screen to identify and mutate developmental genes in mice. <i>Genes Dev.</i> , Vol. 9, Pages 1513-23 (1991). ✓					
	BK	Hogan, B. et al. Isolation, Culture and Manipulation of Embryonic Stem Cells. <i>Laboratory Manual. In Manipulating the Mouse Embryo</i> , Cold Spring Harbor Laboratory Press, Pages 253-289. ✓					
	BL						
	BM						
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